

Technical Data Sheet

SCHQ100

Doc. number
542 400 060Issue
01

Description of the material

SCHQ100 is a precision casting mixture consisting of a basis of epoxy resin and quartz powder. It is a homogeneous material which is processed using cold casting methods. When used, it is durable, non-corrosive, chemically inert, resists most chemicals, and can be disposed of at a conventional waste facility.

Characteristics

- Clean, non-porous surface
- Extremely high homogeneity
- Good workability

Material properties

- Density typ. 1.7 kg/dm³
- Modulus of elasticity typ. 11 kN/mm² (8-13 kN/mm²)
- Compressive strength typ. 110 N/mm² (>100 N/mm²)
- Poisson's ration typ. 0.3
- Damping ratio typ. 0.8%
- Therm. expansion coefficient typ. 35*10⁻⁶ K⁻¹ at 20°C
- Heat conductivity typ. 1 W/m K at 20°C
- Spec. thermal capacity typ. 1.0 kJ/kg K at 20°C
- Coating thickness typ. 5 – 10 mm

Area of application

Usage as a precision casting mixture for sealing casting surfaces.

Comment

The material recommendations are based on the experience of many years and correspond to the present state of knowledge. Suitability tests are the responsibility of the customer and cannot not be assumed by the vendor.

Material qualification

The material properties were compiled in co-operation with inspire AG and institutes of the ETH Zurich and the examinations were carried out by authorized laboratories.

Tests – inspire/2010-01-13

SCHNEEBERGER Mineralgusstechnik s.r.o.
Prumyslový park 32/20 * 350 02 Cheb – Dolní Dvory * phone: +420 354 400 941 * fax: +420 354 400 940
<http://www.schneeberger.com>

Revision notice

Issue	Name	Author – date/initials	Checked	Approval
01	First issue	13.05.2010/QSU	01.06.2012 / HLA	26.05.2010 / HLA